

Matthew Agius

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

480
citations

759233

12
h-index

794594

19
g-index

30
all docs

30
docs citations

30
times ranked

546
citing authors

#	ARTICLE	IF	CITATIONS
1	Tibetan and Indian lithospheres in the upper mantle beneath Tibet: Evidence from broadband surfaceâ€wave dispersion. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 4260-4281.	2.5	69
2	Lithospheric structure in the Baikalâ€central Mongolia region from integrated geophysicalâ€petrological inversion of surfaceâ€wave data and topographic elevation. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	53
3	Shear-velocity structure, radial anisotropy and dynamics of the Tibetan crust. <i>Geophysical Journal International</i> , 2014, 199, 1395-1415.	2.4	48
4	Integrated geophysical-petrological modeling of lithosphere-asthenosphere boundary in central Tibet using electromagnetic and seismic data. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 3965-3988.	2.5	40
5	A dynamic lithosphereâ€asthenosphere boundary near the equatorial Mid-Atlantic Ridge. <i>Earth and Planetary Science Letters</i> , 2021, 566, 116949.	4.4	35
6	Mapping the mantle transition zone beneath Hawaii from Ps receiver functions: Evidence for a hot plume and cold mantle downwellings. <i>Earth and Planetary Science Letters</i> , 2017, 474, 226-236.	4.4	33
7	Complex, multilayered azimuthal anisotropy beneath Tibet: evidence for co-existing channel flow and pure-shear crustal thickening. <i>Geophysical Journal International</i> , 2017, 210, 1823-1844.	2.4	31
8	Evolution of the Oceanic Lithosphere in the Equatorial Atlantic From Rayleigh Wave Tomography, Evidence for Smallâ€Scale Convection From the Plâ€LAB Experiment. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC009174.	2.5	29
9	Sediment Characterization at the Equatorial Midâ€Atlantic Ridge From <i><i>P</i></i> â€ <i><i>S</i></i> Teleseismic Phase Conversions Recorded on the Plâ€LAB Experiment. <i>Geophysical Research Letters</i> , 2018, 45, 12244-12252.	4.0	28
10	Marine Geophysical Investigation of the Chain Fracture Zone in the Equatorial Atlantic From the Plâ€LAB Experiment. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 11016-11030.	3.4	26
11	A thin mantle transition zone beneath the equatorial Mid-Atlantic Ridge. <i>Nature</i> , 2021, 589, 562-566.	27.8	24
12	Analysis of working fluids applicable in Enhanced Geothermal Systems: Nitrous oxide as an alternative working fluid. <i>Energy</i> , 2018, 157, 150-161.	8.8	21
13	A Single-Station Automated Earthquake Location System at Wied Dalam Station, Malta. <i>Seismological Research Letters</i> , 2011, 82, 545-559.	1.9	12
14	Optimal resolution tomography with error tracking and the structure of the crust and upper mantle beneath Ireland and Britain. <i>Geophysical Journal International</i> , 2021, 226, 2158-2188.	2.4	10
15	The Easter Sunday 2011 Earthquake Swarm Offshore Malta: Analysis on Felt Reports. , 2016, , 631-645.		6
16	Analysis of Online News Coverage on Earthquakes Through Text Mining. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	4
17	A First National Seismic Network for the Maltese Islandsâ€The Malta Seismic Network. <i>Seismological Research Letters</i> , 2021, 92, 1817-1831.	1.9	4
18	Getting Started with GMT: An Introduction for Seismologists. <i>Springer Natural Hazards</i> , 2018, , 691-723.	0.3	3

#	ARTICLE	IF	CITATIONS
19	Evidence for melt leakage from the Hawaiian plume above the mantle transition zone. <i>Physics of the Earth and Planetary Interiors</i> , 2021, 321, 106813.	1.9	2
20	An instrumental earthquake catalogue for the offshore Maltese islands region, 1995–2014. <i>Annals of Geophysics</i> , 2020, 63, .	1.0	2